

**RIFLE, M16A1 TWO-TO-ONE SCALE MOCKUP, DEVICE 3F68****TRAINING CATEGORY:**

ARMAMENT (Loading and Handling
(Small Arms)

ORIGINATING AGENCY:

DCNO/AIR NAVTRASYS SCEN MARCORPS

SECURITY CLASSIFICATION:

Device 3F68 is unclassified.

INTENDED USE:

For use in the classroom or in field training of lower enlisted rates at Naval or Marine Corps installations.

To demonstrate the principles of operation, firing, field stripping, cleaning and assembly of the M16A1 Rifle.

FUNCTIONAL DESCRIPTION:

Device 3F68 is a 2:1 scale mockup of the M16A Rifle, with all parts operable, but nonfiring. Cutaway sections in selected areas permit viewing of actual functioning of internal components. These components are in color to differentiate systems to aid the students in understanding interrelation of parts.

The mockup is made of aluminum alloys and impact-resistant plastic to reduce weight and facilitate easy handling by the instructor. It is mounted on a base that is part of a carrying/storage case.

The instructor can use the device to demonstrate loading, firing, ejection, and reloading, using the semi-automatic and automatic rates of fire. He can manually cycle the movements of the bolt by an added device control, to permit the trainees to better follow actions by a slow-down of the motions. Actions include stripping of a round from the cartridge clip, forward movement and locking of the bolt, functioning of the trigger group, action of the gases, unlocking and rear-

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ward movement of the bolt into the buffer tube, and counter-recoil action.

The instructor can field strip and reassemble the mockup in the classroom, the students performing the same operations on their own rifles.

PHYSICAL INFORMATION:

The device is 58" long, 4" wide, and 20" high. Weight is approximately 30 lbs. with full clip.

PUBLICATIONS FURNISHED:

Device Summary, NAVTRADEV P-3418 (U).
Guide for 2:1 Scale Mockup of M16A1 Rifle, NAVTRADEV P-3553 (U).

PERSONNEL:

Instructors: One (1), currently qualified in operation of M16A1 Rifle.

Trainees: Up to Twenty (20)

Maintenance: One (1) mechanic (1 man-hour per 40-hour utilization week).

Maintenance is nominal, consisting of periodic cleaning. A parts kit is furnished which provides sufficient spare parts to insure two (2) years maintenance capability.

CONTRACT IDENTIFICATION:

Manufactured by Burttek, Inc., Tulsa, OK under NAVTRASYSSEN Contract No. N61339-68-C-0240.

LOCAL STOCK NUMBER:

6920-LL-C00-3325